

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/00636

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G02B6/12, H05B3/10, G02B7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G02B6/12, H05B3/10, 7/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-083340 A (Hitachi Cable, Ltd.), 30 March, 2001 (30.03.01), Full text; Figs. 1 to 3 (Family: none)	1-14
A	JP 2000-075152 A (The Furukawa Electric Co., Ltd.), 14 March, 2000 (14.03.00), Full text; Figs. 1 to 3 (Family: none)	1-14
P, A	JP 2002-148499 A (The Furukawa Electric Co., Ltd.), 22 May, 2002 (22.05.02), Full text; Figs. 1 to 10 (Family: none)	1-14

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
 "E" earlier document but published on or after the international filing date  
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 "O" document referring to an oral disclosure, use, exhibition or other means  
 "P" document published prior to the international filing date but later than the priority date claimed

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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
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 "&" document member of the same patent family

Date of the actual completion of the international search  
25 February, 2003 (25.02.03)

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11 March, 2003 (11.03.03)

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